

## ABSTRACT OF THE DISCLOSURE

Method and apparatus for using magnetic susceptibility measurements to detect ferromagnetic foreign bodies (FFBs) in the eye. The method involves having the patient 5 rotate his or her eyes, modulating the orientation and/or location of the FFB in relation to the sensing apparatus. This changing orientation or position will modulate the magnetic susceptibility signal from the FFB, without substantially changing the magnetic susceptibility response of the patient's body tissues. Consequently, modulation of the magnetic signal due to the motion of the eye will indicate the presence of an FFB in the eye. Eye movement may also be used in conjunction with the detection of ferromagnetic 10 foreign bodies by means other than magnetic susceptibility measurements, such as x-rays and ultrasound.

TOP SECRET//COMINT